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FIGURES

FIG. 1

AC CCACTTCCCACTTCTCCAAATTCCTTCTCTCCGCTTCGCAACTCCCAACCCCAAAAGAAAA 50
 ATTCAAAGTCCAGAACTAACCAAGAGCGCACAACTTATGTATTTTACGGGGTTCTTGGC 120
 ATTTTTCATCCTTGTAAACAATGAGTTTCGCAATCCAGACCTGAGAGCTTTAGCCAAAA 180
 N E A N Q A E E S E T D K
 AAAAAATGCAAGAGCAAAATTCAGATTAAGCGCAATGCAAAACAGTAAGAAAGCAAGAG 240
 K D G E E K I E I K S I E N C T N E Q Y
 CACCTTCTGCAAGCGCGCGCAAGCGATTCGCTTAAGAAAGCGTATGANTTGTCTCTCTCTG 300
 T F C K R N N G L L K K A E E L S V L C
 TATGCTGAAGTTGCTCTTATCCTCTTCTCCACCCGCTGGCGCGCTATGACTATGCTAA 360
 C A E V A L I V E S L R S R L E E E A M
 CACAGCTCTTAAGCAACAATCAGACGCTACAAAGAGCATGCGCTCATCTACGACCG 420
 N E Y R A T I D R I N K A C A D E I E G <-domc
 TCCATGCTCAAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 480
 C E V S R A N T Q T V Q C R A N E T R E
 ACAGATCCGACAAATTCAGAAATTCAGAAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
 Q I P E I Q N E M R N I L C R S L S T L
 GAACTCAAGCAACTGAAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 600
 K V K E L E N L E G N L E E C I E S R I R
 ATCCAAAAAGATGAAATCCTGTTTCTGAAATCGAATTCATGCAAGAGAGCGAGACTGA 660
 S K F N E I L F E E I E F N Q N R E F E
 GTTGCACACCGCAAGCAATTTCTGAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 720
 E Q E H N N F D R A K I A E S E R E Q Q
 GACGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 780
 Q Q C T H M I P S T E T D R S M P S N S
 GATGACAGGACCTTCTTCCCTGTGATCTGAGAGTCAATTAATACCATTCCTCCGCGCA 840
 V D P N F F P V I L E S N N E N E P R Q
 AAGCCAGACAGCTCTCCAACTTGTGTGAAAGCTGCACTGCGCTCTGATGTTCTCTTAC 900
 C C T A L C E V .
 CATATGCTGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 960
 CATGCGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1020
 RATTCTGTGATACATATAAGCAAAATTTCTTCTCTCAAGCGCA 1085

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FIG. 2

GCAATTCTTCCTTCCCGTTGCCAAGTGCAACCCCAATAGAAAACTCAAAGTCAAGAACT 60
 AGCTAACAGAGAAAACCACAATTCATCAATTTGGAGGGGTTTTTGCCATTTTTCATCCTT 120
 GCAACAATGGAGTTCCCAAATCAAGCACCCGAGAGCTCCTCCAGAAAAAATTGGGAAGG 180
 M E F P N Q A P E S S S Q K K L G R MADS-BOX
 GGCAAAATTGAGATTAAGCGGATCGAAAACACTACAAATCGACAAGTTACCTTCTGCAA 240
 G K I E I K R I E N T T N R Q V T F C K
 CGCCGCAACGGATTGCTTAAGAAAGCCTATGAATTGTCTGTTCTTTGTGATGCTGAAGTT 300
 R R N G L L K K A Y E L S V L C D A E V
 GCTCTTATCGTGTTCCTCAACCGTGGCCGCTCTATGAGTATGCTAACAAACAGTGTTAGA 360
 A L I V F S N R G R L Y E Y A N N S V R
 GCAACAATCGACAGGTACAAAAAGCATACGCTGATCCTACGAACAGTGGATCTGTTTCA 420
 A T I D R Y K K A Y A D P T N S G S V S K-domain
 GAAGCCAACACTCAGTTTTATCAGCAGGAAGCATCCAACTGCGAAGACAGATCCGAGAA 480
 E A N T Q F Y Q Q E A S K L R R Q I R E
 ATTCAGAATTCAAACAGGCATATAC TGGGTGAAGCTCTTAGCTCCTTGAAACGCCAAGGAA 540
 I Q N S N R H I L G E A L S S L N A K E
 CTGAAGAACCTAGAAGGAAGATTGGAGAAAGGAATCAGCAGAATAAGATCCAAAAAGAAT 600
 L K N L E G R L E K G I S R I R S K K N
 GAAATGCTGTTTTCTGAAATCGAATTCATGCAAAAAAGGAGACCGAGCTGCAACACCAC 660
 E M L F S E I E F M Q K R E T E L Q H H
 AACAAATTTCTGAGAGCAAAGATAGCTGAAAACGAGAGGGAAGAGCAGCAGCATAACAC 720
 N N F L R A K I A E N E R E E Q Q H T H
 ATGATGCCGGGAACCTCCTACGATCAGTCAATGCC TTGCAATTCTTATGACAGGAACCTC 780
 M M P G T S Y D Q S M P S H S Y D R N F
 CTCCAGCGGTGATCTTGGAGTCCAACAATAACCATTACCCTCACCAAGTCCAGACAGCT 840
 L P A V I L E S N N N H Y P H Q V Q T A
 CTCCAACCTGTTTGAAATGCTGGACTGCCGTCTGAT 876
 L Q L V .

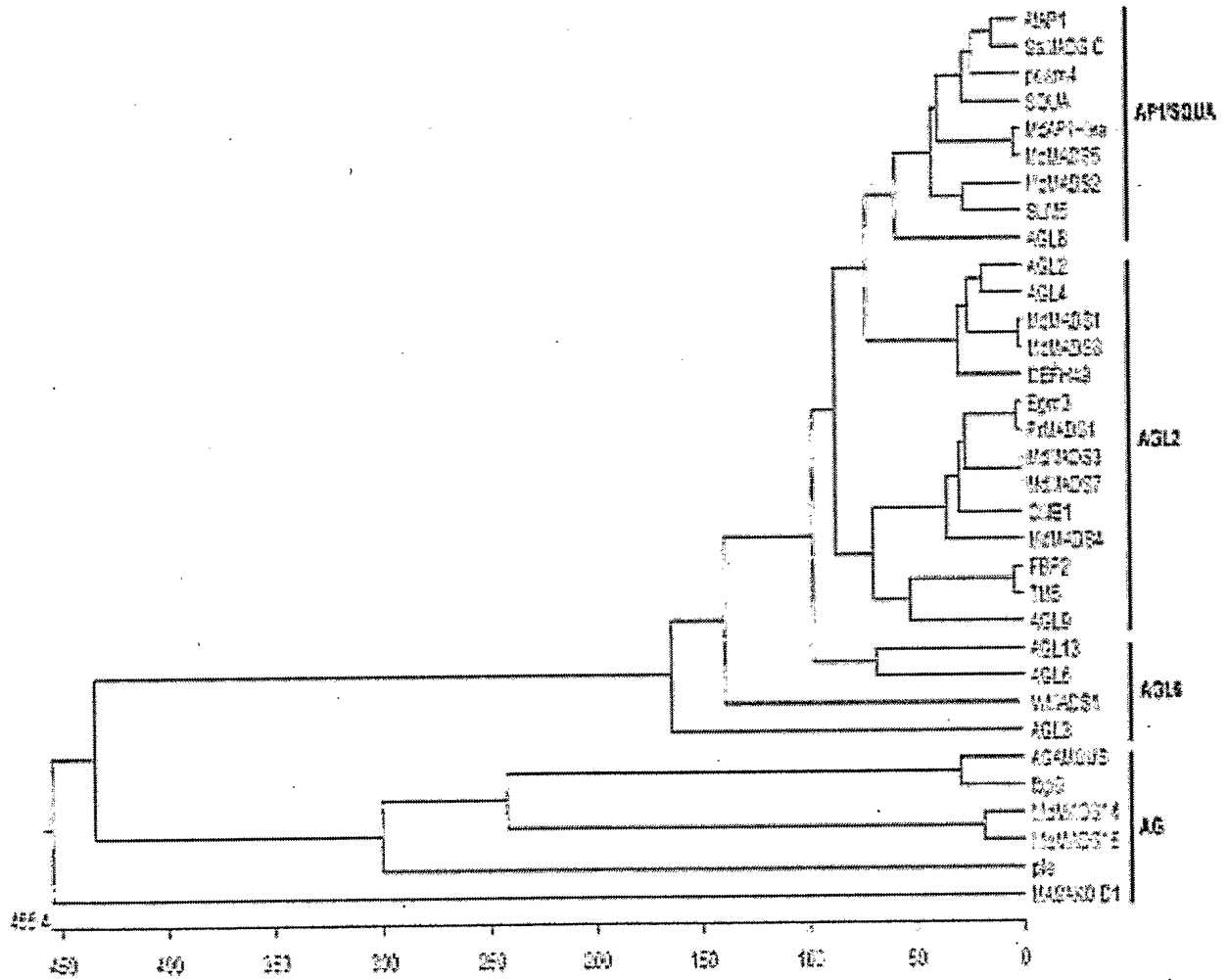
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FIG. 3

1	MEFANQAPESST	QKKLG RGKIEIKRIENTT	McMADS14
1	MEFPNQAPESS	SQKKLG RGKIEIKRIENTT	McMADS16
31	NRQVTFCKRRNGLLKKAYELSVLCDAEVAL		McMADS14
31	NRQVTFCKRRNGLLKKAYELSVLCDAEVAL		McMADS16
61	IVFSTRGRLYEYANNNSVRATIDRYKKAC	AD	McMADS14
61	IVFSNRGRLYEYANNNSVRATIDRYKKAY	AD	McMADS16
91	STDGGSVSEANTQFYQQEASKLRRQIREIQ		McMADS14
91	PTNSGSVSEANTQFYQQEASKLRRQIREIQ		McMADS16
121	NSNRHILGESLS	TLKVKE LKNLEGRLEKGI	McMADS14
121	NSNRHILGEALSS	LN AKE LKNLEGRLEKGI	McMADS16
151	SRIRSKKNEILFSEIEFMQKRETELQHHNN		McMADS14
151	SRIRSKKNEMLFSEIEFMQKRETELQHHNN		McMADS16
181	FLRAKIAESERE	Q Q Q Q Q T H M I P G T S Y D P S M	McMADS14
181	FLRAKIAEN	ERE E Q Q H - T H M M P G T S Y D Q S M	McMADS16
211	PSNSYDRNFFP	- V I L E S N N N H Y P R Q G Q T A L	McMADS14
210	PSHSYDRNFLPA	V I L E S N N N H Y P H Q V Q T A L	McMADS16
240	QLV	(100%)	McMADS14
240	QLV	(88.4%)	McMADS16

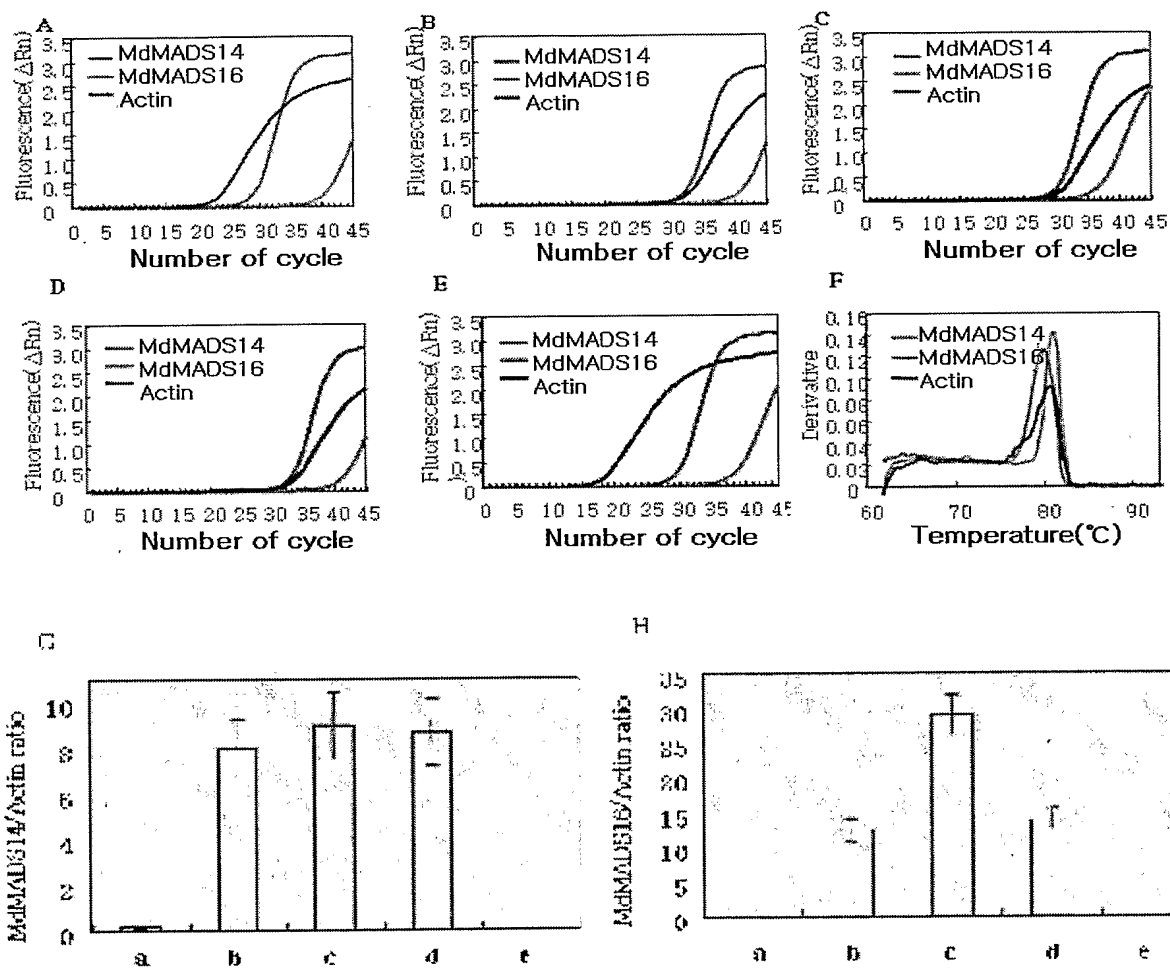
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FIG. 4



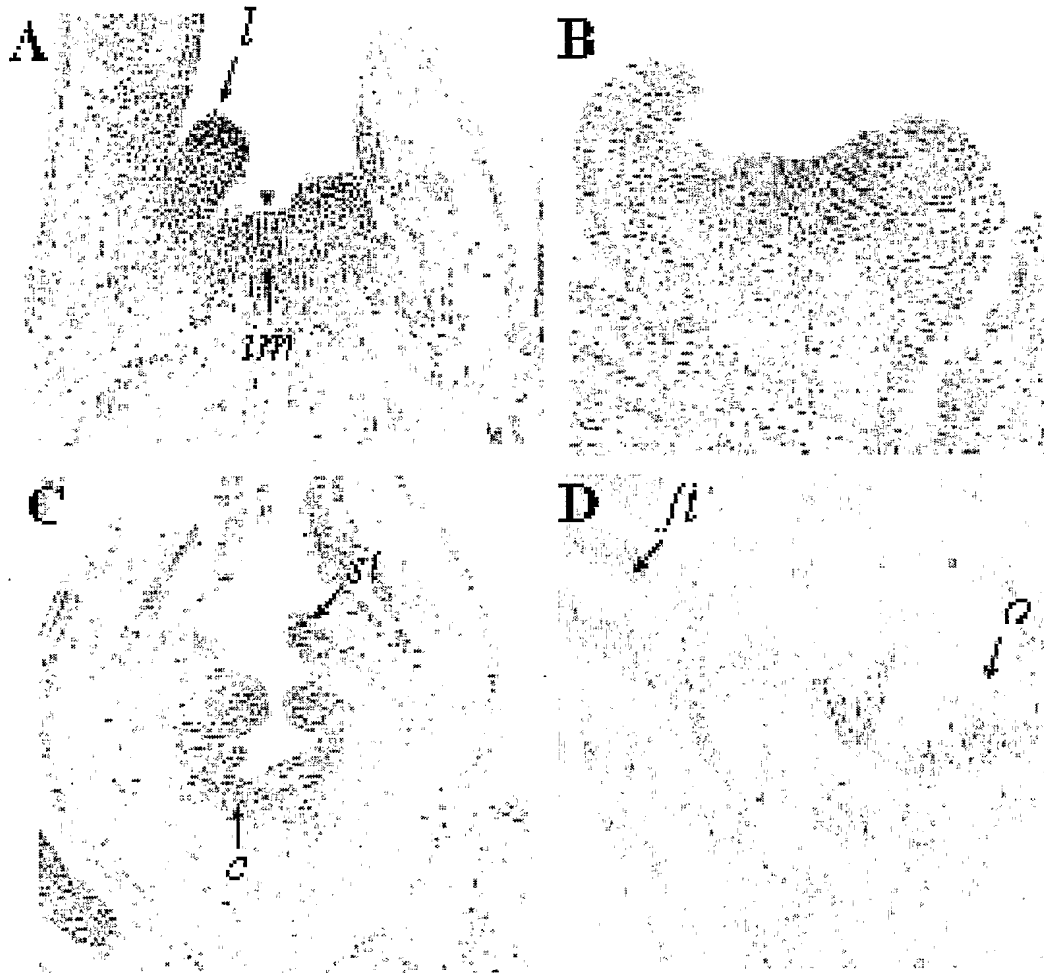
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FIG. 5



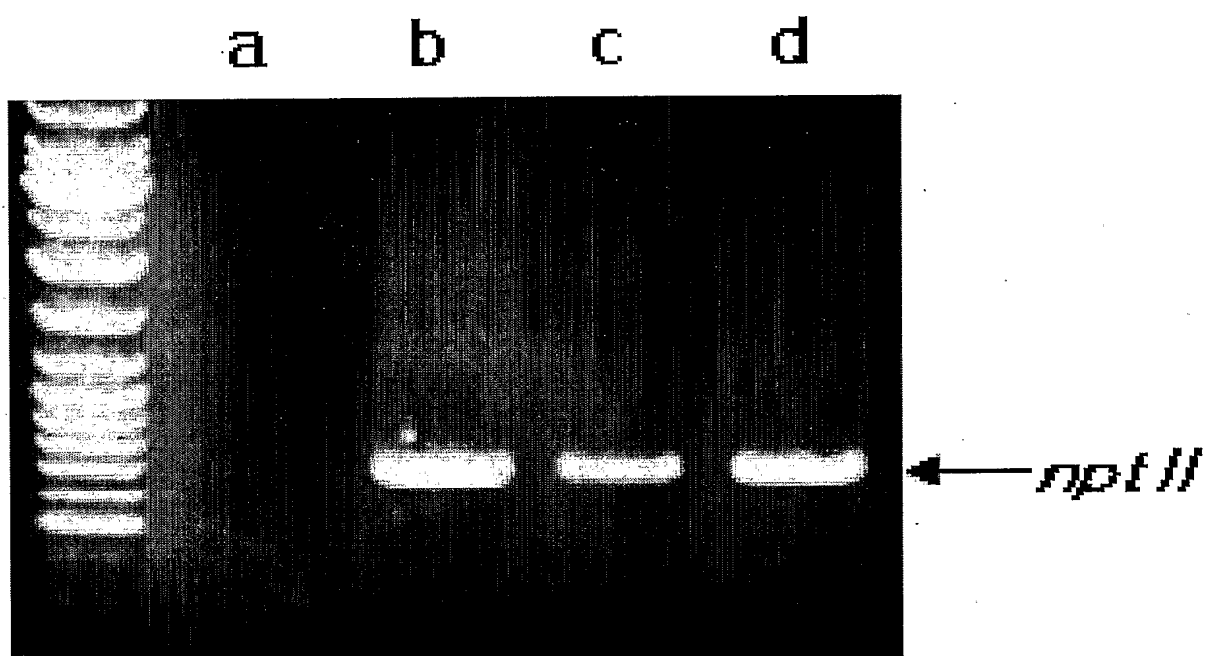
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FIG. 6



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FIG. 7

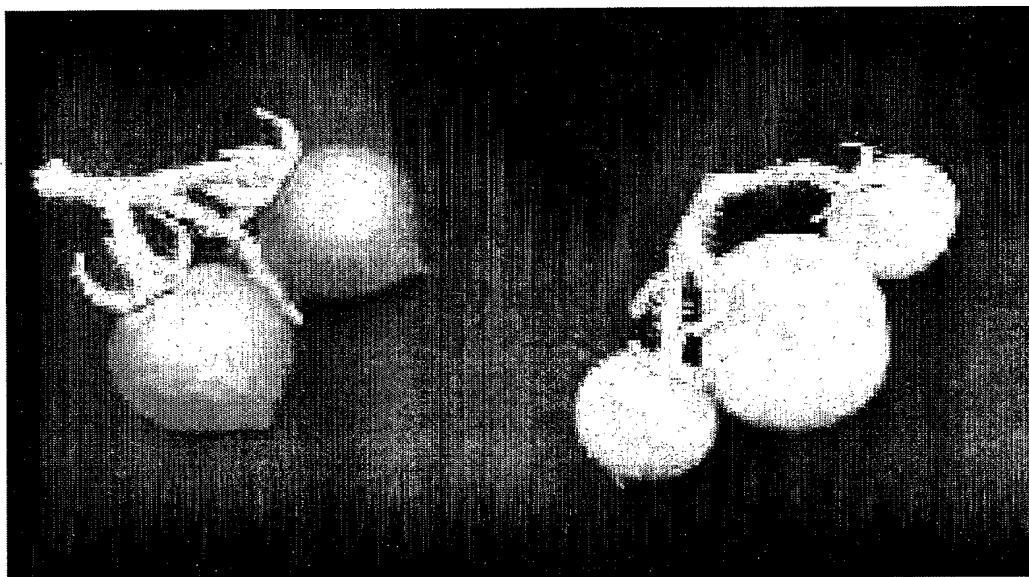


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FIG. 8

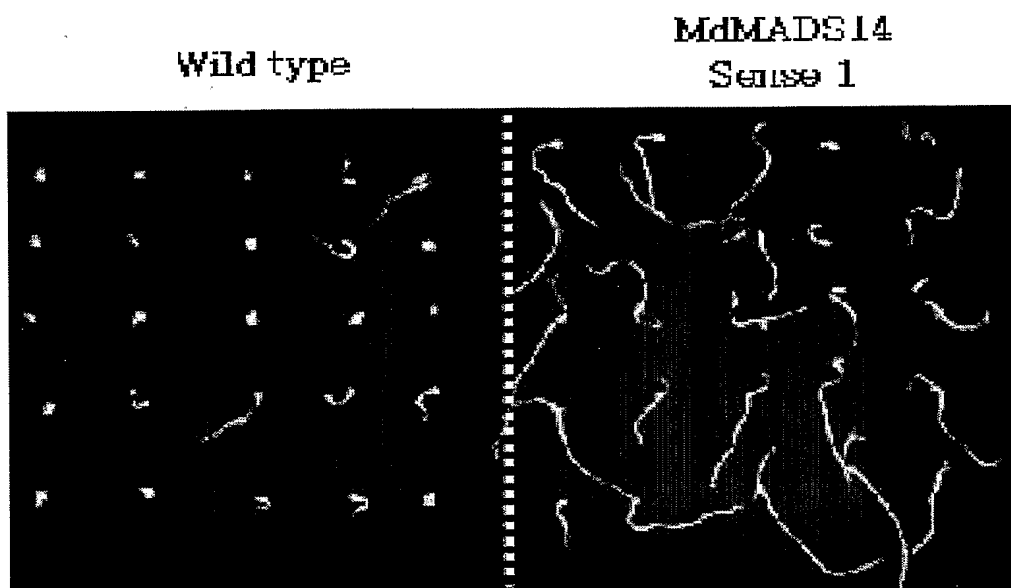
Wild type

MdMADS14
Sense 1



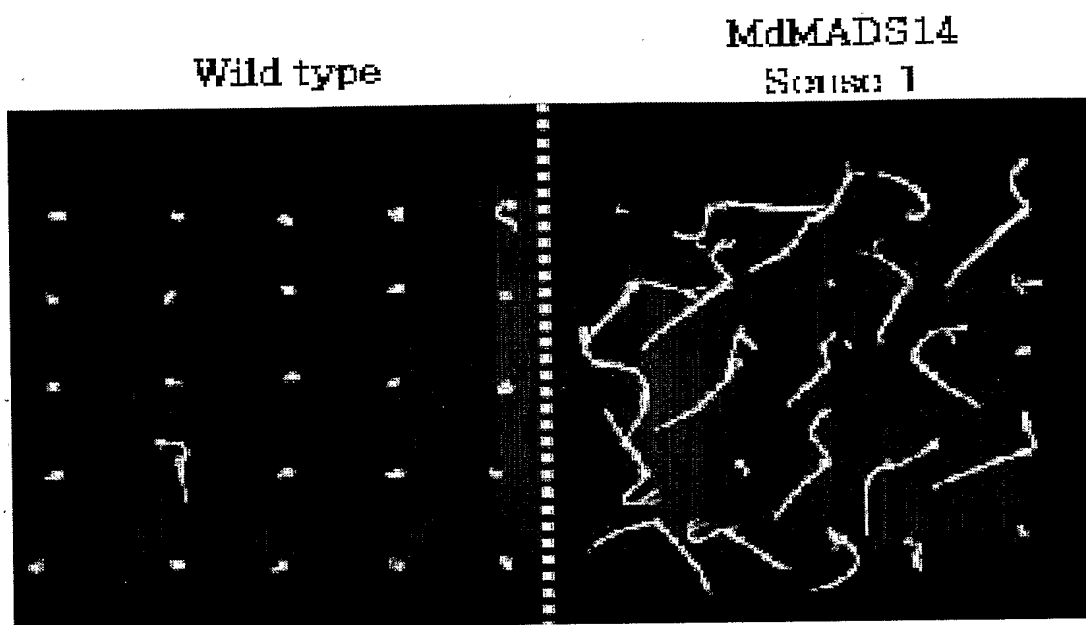
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FIG. 9



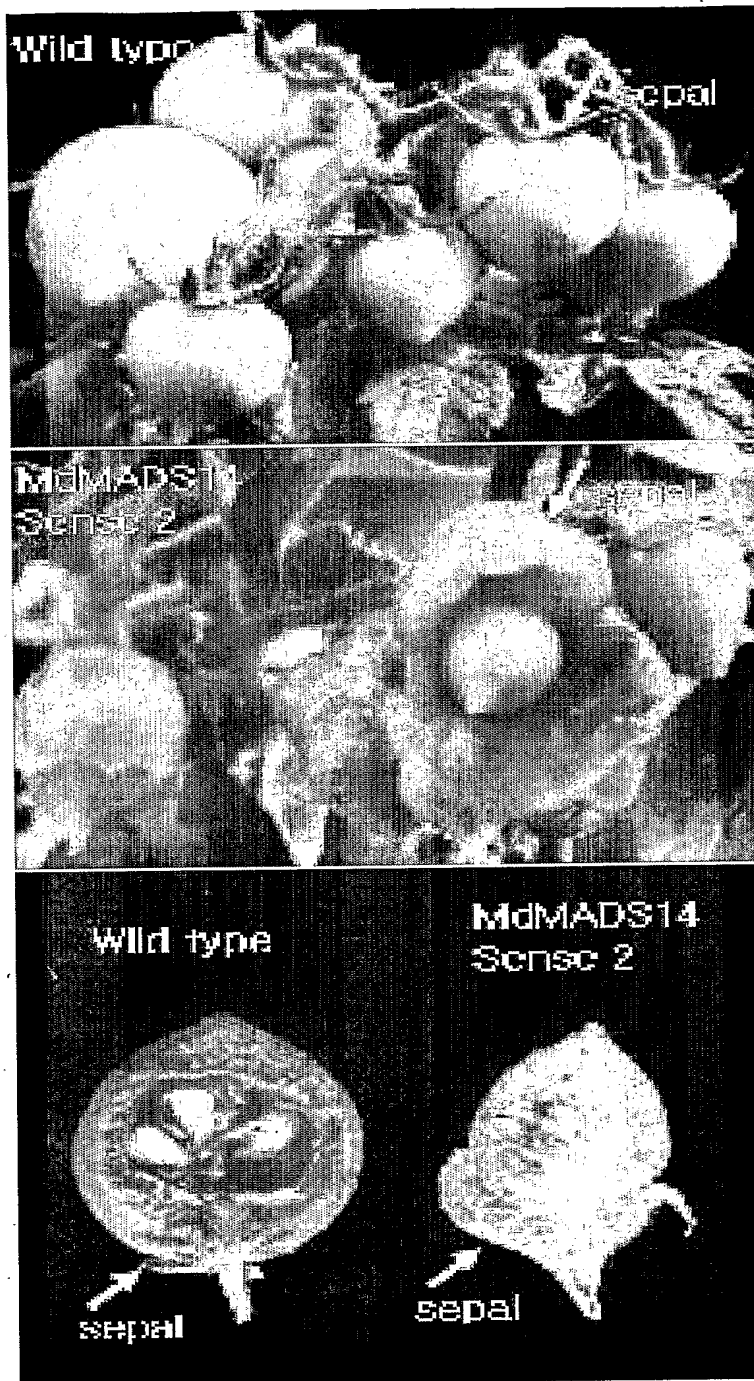
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FIG. 10



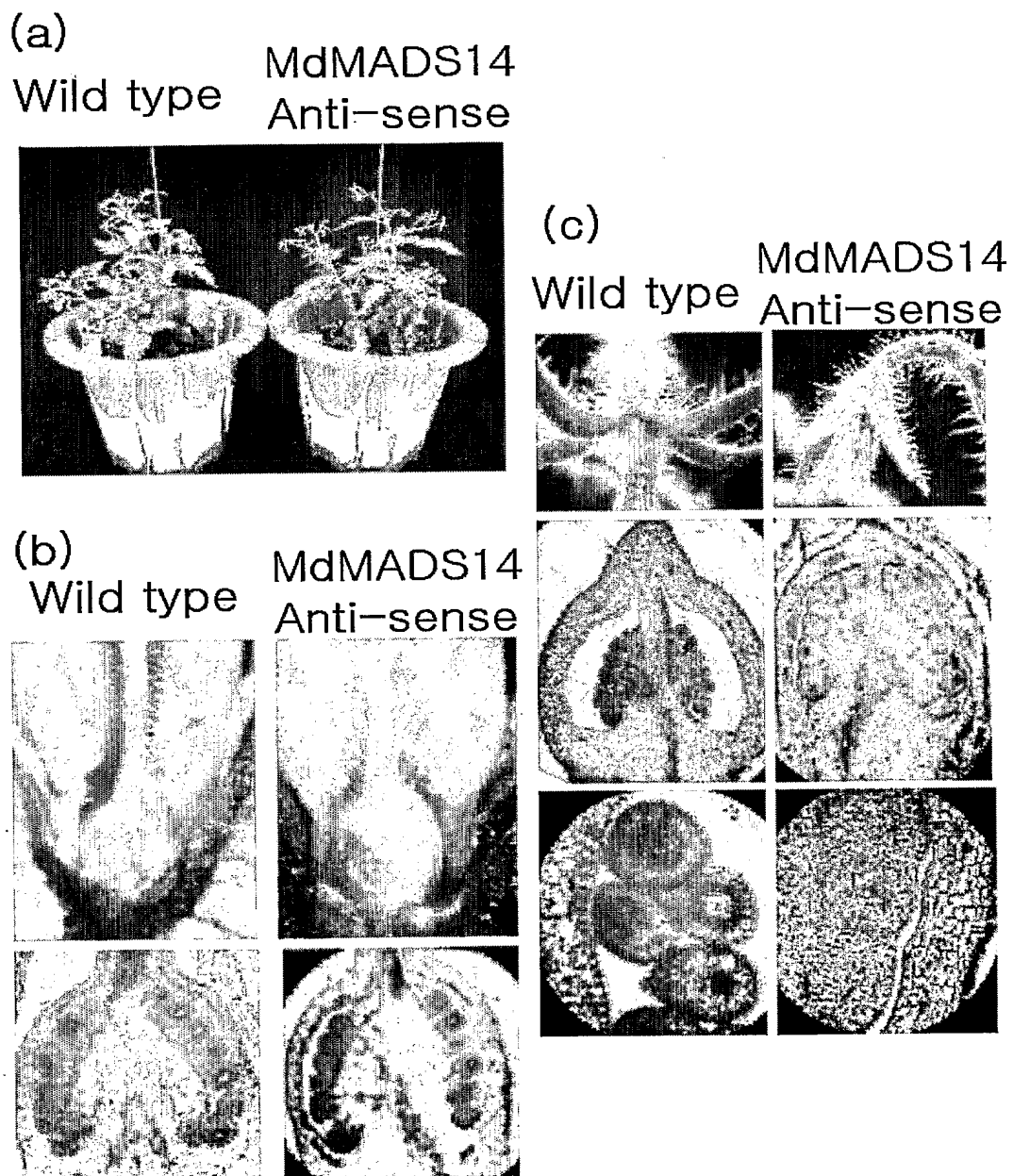
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FIG. 11



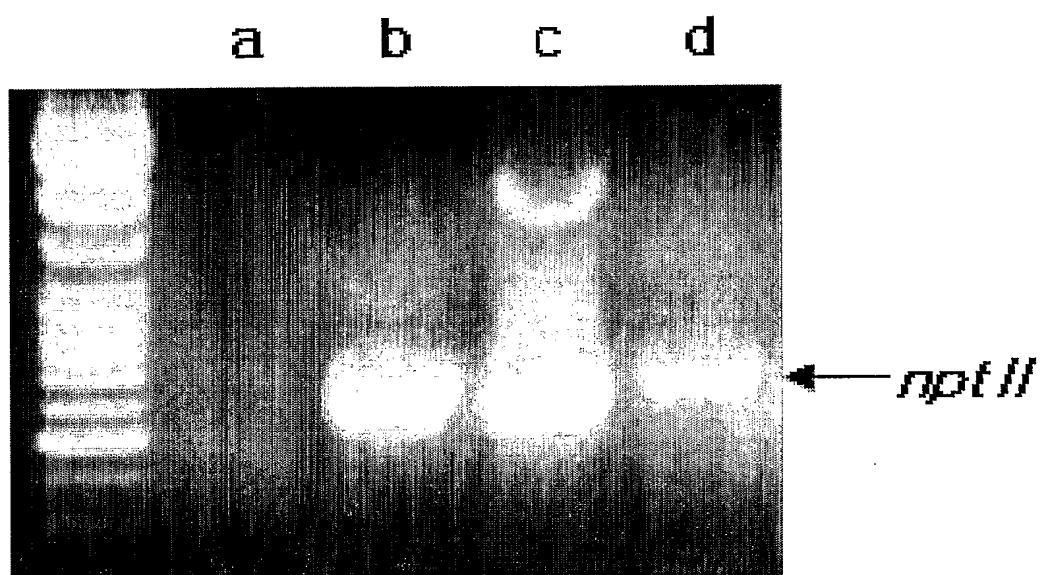
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FIG. 12



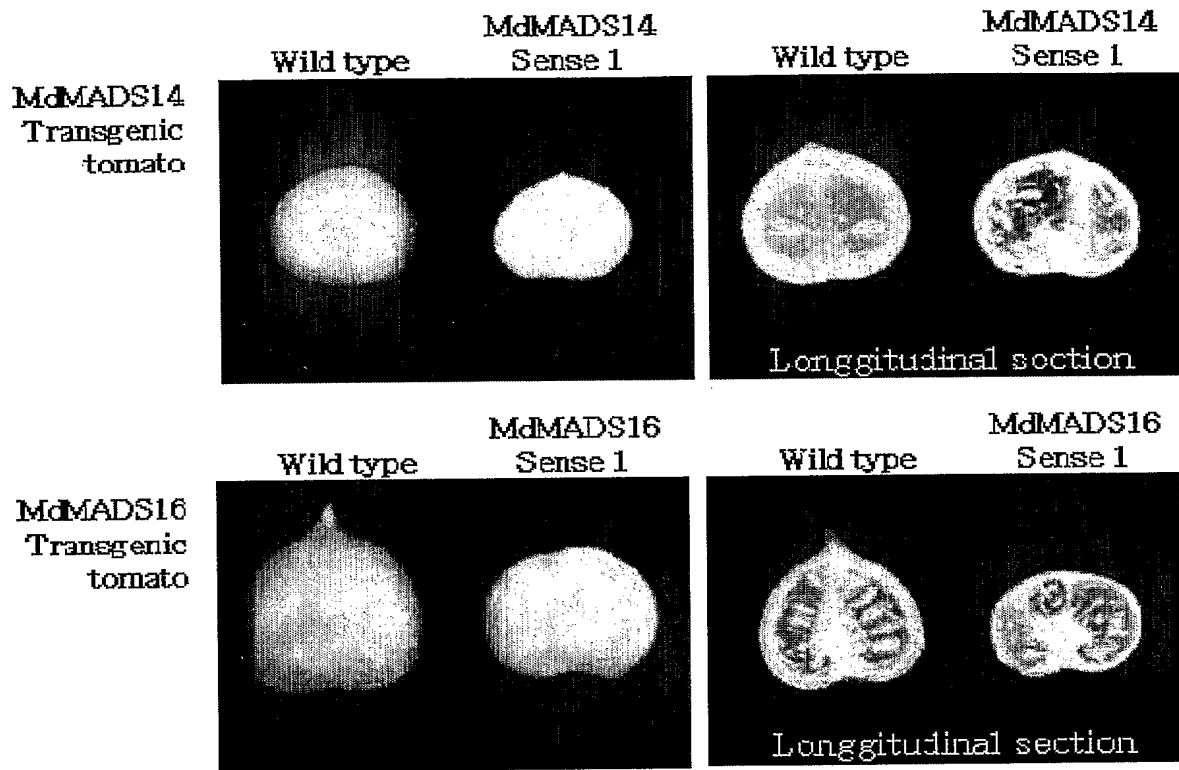
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FIG. 13



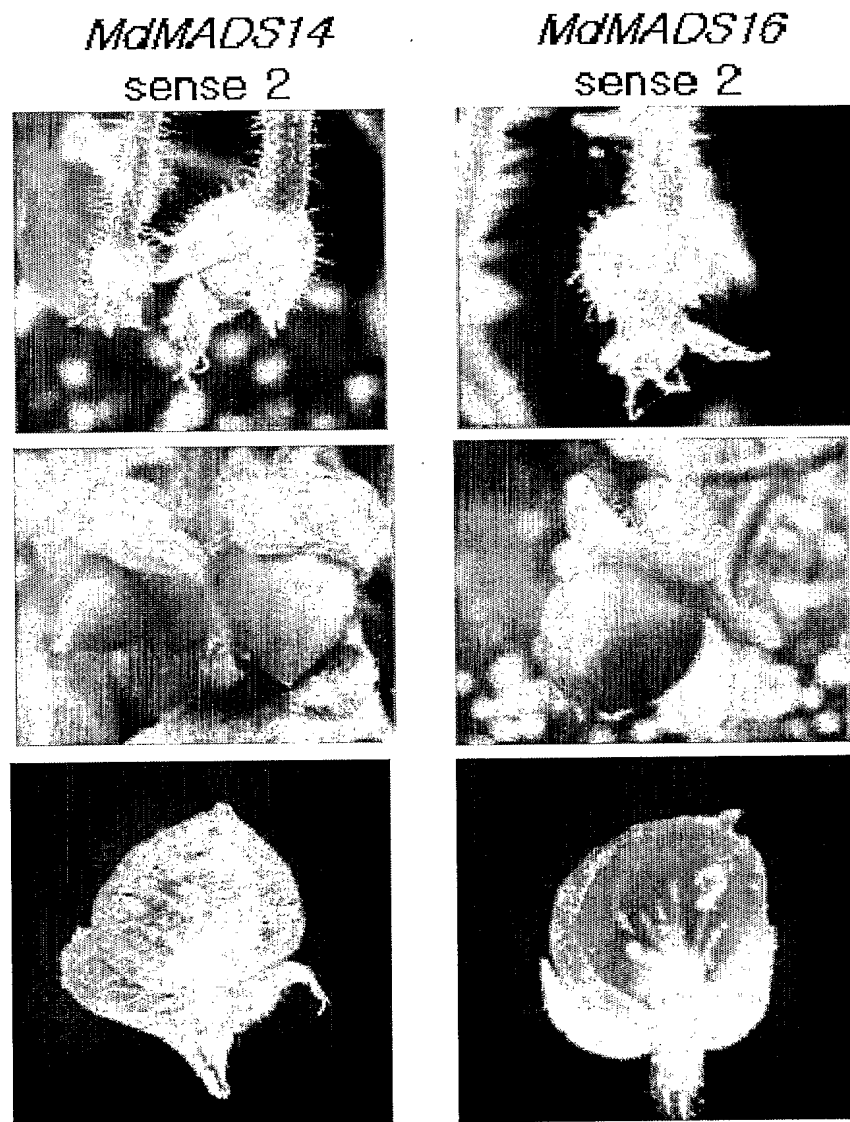
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FIG. 14



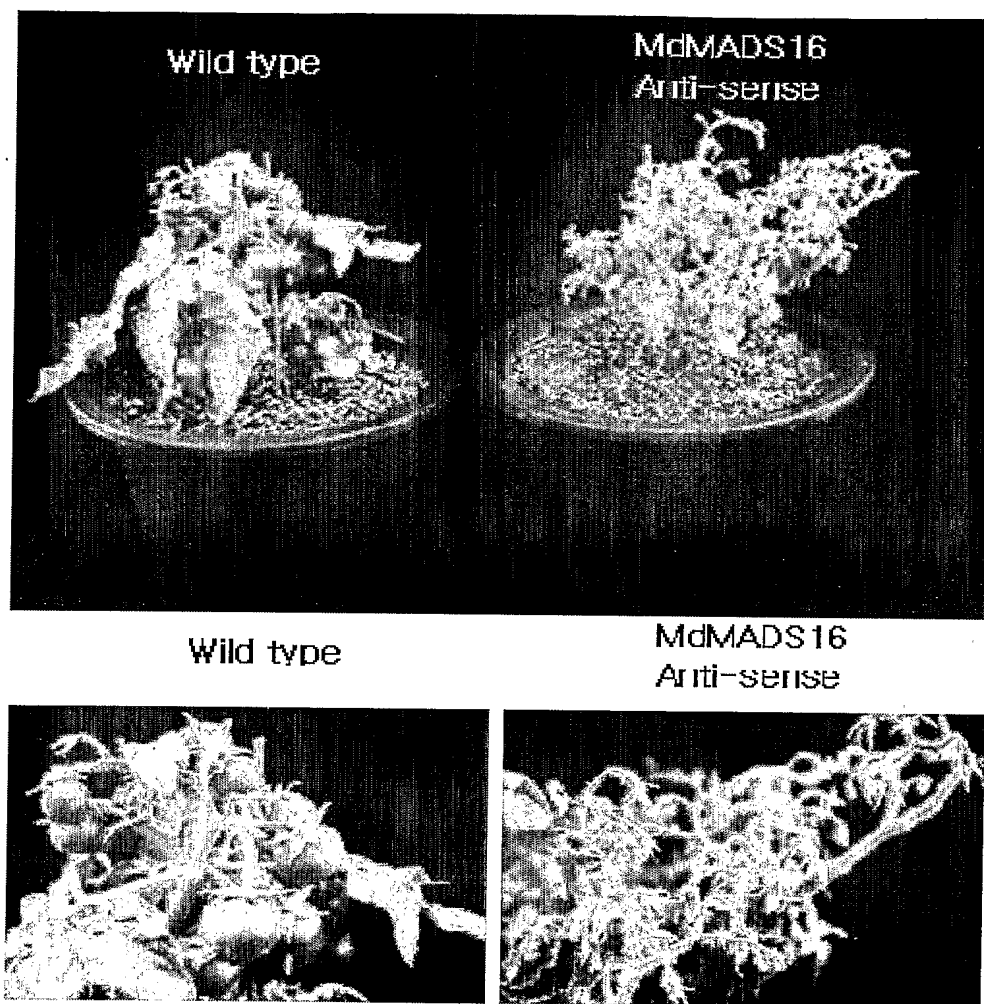
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FIG. 15



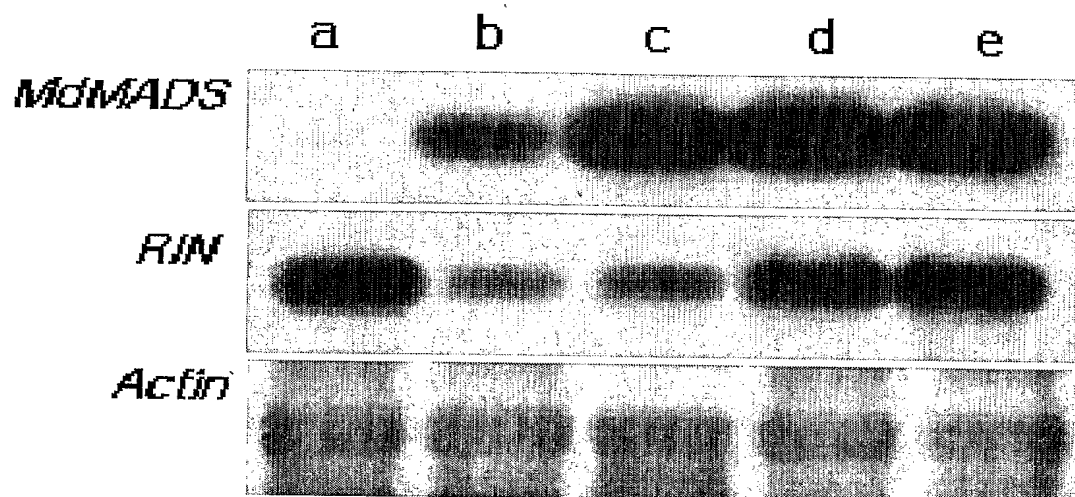
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FIG. 16



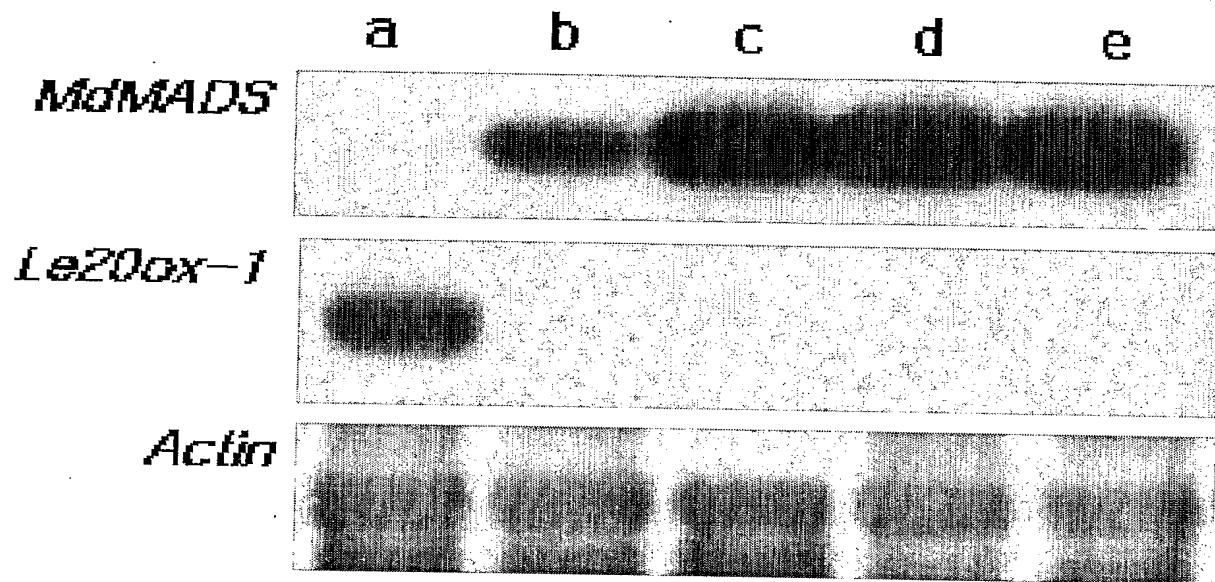
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FIG. 17



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FIG. 18



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FIG. 19

